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APPLICANT(S): MOLCHO, Rami et al. EXAMINER: Not yet known  
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FOR: CLUSTERING MEANS AND METHODS AND SECURITY LABEL  
THEREOF

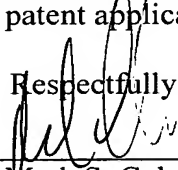
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Sir:

Applicant(s) hereby submits a certified copy of the Israeli Application No. 153483 filed December 16, 2002 for the above identified patent application.

Respectfully submitted,

  
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אמצעי ושיטה לאיגוד של פריטים ברי-הפרדה

(בעברית)  
(Hebrew)

MEANS AND METHOD FOR CLUSTERING DETACHABLE ITEMS

(באנגלית)  
(English)

בבקשת חלוקה - Application of Division	בבקשת פטנט מוסף - Application for Patent Addition	דרישה דין קדימה Priority Claim		
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חתימת המבקש Signature of the Applicant עבור המבקש, For the Applicant, איתן, פרל, לצר וכהן-צדק EITAN, PEARL, LATZER & COHEN-ZEDEK P-5162-IL		לשימוש הלשכה For Official Use		

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\* מחק את המיותר Delete whatever is inapplicable

# **MEANS AND METHOD FOR CLUSTERING DETACHABLE ITEMS**

**אמצעי ושיטה לאיגוד של פריטים ברי-הפרדה**

Eitan, Pearl, Latzer & Cohen-Zedek

P-5162-IL

## **MEANS AND METHOD FOR CLUSTERING DETACHABLE ITEMS**

### **TECHNICAL FIELD**

The present invention relates to packages for products in general, and  
5 more particularly to device and method for seperatably wrapping of multiple  
packages.

### **BACKGROUND**

Marketing of goods in packages of multiple items each is quite common  
10 today. Various methods and means are used to enable a user to detach from a  
package one item at a time without unstitching the rest of the package. There is  
a need for a cheap, easy to apply and easy to use method and means to enable  
detachment of a single item from the package.

### **BRIEF DESCRIPTION OF THE DRAWINGS**

The subject matter regarded as the invention is particularly pointed out  
and distinctly claimed in the concluding portion of the specification. The present  
invention will be better understood if read in conjunction with the following  
drawings, in which:

20 Fig. 1A is a schematic illustration of a clustering sticker according to an  
embodiment of the invention;

Figs. 1B and 1C are schematic illustrations of two layers of a clustering  
sticker according to an embodiment of the invention; and

Figs. 2A, 2B and 2C are isometric illustration of clustered items  
25 according to an embodiment of the invention.

## DETAILED DESCRIPTION OF THE INVENTION

In the following description, various aspects of the present invention will be described. For purposes of explanation, specific configurations and details are set forth in order to provide a thorough understanding of the present invention. However, it will also be apparent to one skilled in the art that the present invention may be practiced without the specific details presented herein. Furthermore, well-known features may be omitted or simplified in order not to obscure the present invention.

A clustering, separately detachable sticker is provided for clustering of similar items so that a single item may separately be detached from the cluster without unstitching the rest of the cluster. Reference is made now to Figs. 1A, 1B and 1C. Fig. 1A illustrates some embodiments of clustering sticker 10. Fig. 1B illustrates a sticky layer of clustering sticker 10 being a possible component of sticker 10. Fig. 1C illustrates a tear-off means layer of clustering sticker 10. Clustering sticker 10 may comprise of sticky layer 13, having at least one sticky face, in which special weakening points 12 may be made. A layer of tear-off means 14 may be attached to the sticky face of sticky layer 13 so that tear-off means 14 fit to its place on sticky layer 13 as shown in Fig. 1A. Tear-off means 14 may be formed, for example, by means of die cutting that pre-cuts it in a carrying layer on which sticky layer 13 is carried before being applied. Thus, when sticky layer 13 is removed from said carrying layer tear-off means 14 is separated from said carrying layer and stays attached in place on sticky layer 13.

According to some embodiments of the present invention the pitch between tear-off means 14 may be made to fit the pitch of the items to be clustered, so that when sticker 10 is applied onto a cluster of items every tear-off means 14 is placed against touching edges of two consequent clustered items.

5 Clustering sticker 10 may be stored and provided carried on a carrying layer (not shown) such as a silicon coated layer, from which it may be pilled prior to being applied onto a cluster of items.

According to some embodiments of the present invention, codes (such as a string of numbers) may be printed or otherwise implemented on the inner  
10 (hidden) face of either tear-off means 14, or on the inner face of sticky layer 13 at a position corresponding to the position of tear-off means 14, so that when tear-off means 14 is pulled to separate one item from a cluster, said code is made visible. This code may be used in the arrangement of any kind of promotion campaign for the products packed in said item, or for any other  
15 campaign taking the advantage of a hidden code (e.g. raffles).

Reference is made now to Figs. 2A, 2B and 2C. Except for the places where tear-off means 14 are placed the at least one sticky face of sticky layer 13 is ready to be stuck onto sides of clustered items thus keeping the items together, as shown in Fig. 2A. Clusterable items 52 are held together by  
20 clustering sticker 10 applied to at least one face of items 52, so that tear-off means 14 are placed against touching edges of two consequent clustered items 52. When one clustered item 52 is to be separated tear-off means 14 may be pulled as illustrated in Fig. 2B, in order to tear clustering sticker 10 along a desired line. The item 54 then may be separated from cluster 50.

Tear-off means 14 is made of a material that allows pulling it from one end which loose so that it tears sticky layer 13 at its weakening points 12 along substantially straight lines across sticky layer 13.

5           It will be apparent to one skilled in the art that the clustering sticker 10 may be of various embodiments. While certain features of the invention have been illustrated and described herein, many modifications, substitutions, changes, and equivalents will now occur to those of ordinary skill in the art. It is, therefore, to be understood that the appended claims are intended to cover all  
10 such modifications and changes as fall within the true spirit of the invention.



## CLAIMS

What is claimed is:

1. A sticker comprising:

5           a sticky layer having pairs of weakening cut made along and  
proximal to a first edge of said first sticky layer and oriented in  
substantially right angle to said first edge, and  
a plurality of elongated pieces of flexible sheet, said elongated  
pieces attached to a sticky face of said sticky layer so as to have  
10           each of said elongated pieces be placed between each of said pairs  
of weakening cuts and oriented in substantially right angel to said first  
edge.

2. The sticker of claim 1 further comprising elongated tips are formed  
along said first edge of said sticky layer, each extends from one of  
15           said elongated pieces to match corresponding tips of said elongated  
pieces.

3. The sticker of claim 2, wherein pulling each of said elongated tips  
across said sticker causes said elongated piece to tear off said  
sticker in a substantially straight line.

20           4. A package comprising more than one item said package being  
packed by at least one sticker, said sticker comprising:

          a sticky layer having pairs of weakening cut made along and  
proximal to a first edge of said first sticky layer, and  
a plurality of elongated pieces of flexible sheet, said elongated  
25           pieces attached to a sticky face of said sticky layer so as to have said

elongated pieces placed between each of said pairs of weakening cuts and oriented in substantially right angel to said first edge

wherein said elongated pieces of said at least one sticker are placed substantially against and parallel to a common edge formed in between each adjacent items in said package.

5. The package of claim 4 further comprising elongated tips are formed along said first edge of said sticky layer, each extends from one of said elongated pieces to match corresponding tips of said elongated pieces.

6. The package of claim 5 wherein pulling each of said elongated tips across said sticker causes said elongated piece to tear off said sticker in a substantially straight line.

7. The sticker of claim 1, wherein a code is marked on each of said elongated pieces of flexible sheet.

8. The package of claim 4, wherein a code is marked on each of said elongated pieces so that said code is invisible unless said elongated pieces are pulled to tear-off at least one of said items from said package.

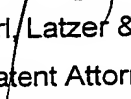
9. The sticker according to any of claims 1-3, 7 substantially as described hereinabove.

10. The sticker according to any of claims 1-3, 7 substantially as illustrated in any of the drawings.

11. The package according to any of claims 4-6, 8 substantially as described hereinabove.

12. The package according to any of claims 4-6, 8 substantially as illustrated in any of the drawings.

For the Applicant



Eitan, Pearl, Latzer & Cohen-Zedek  
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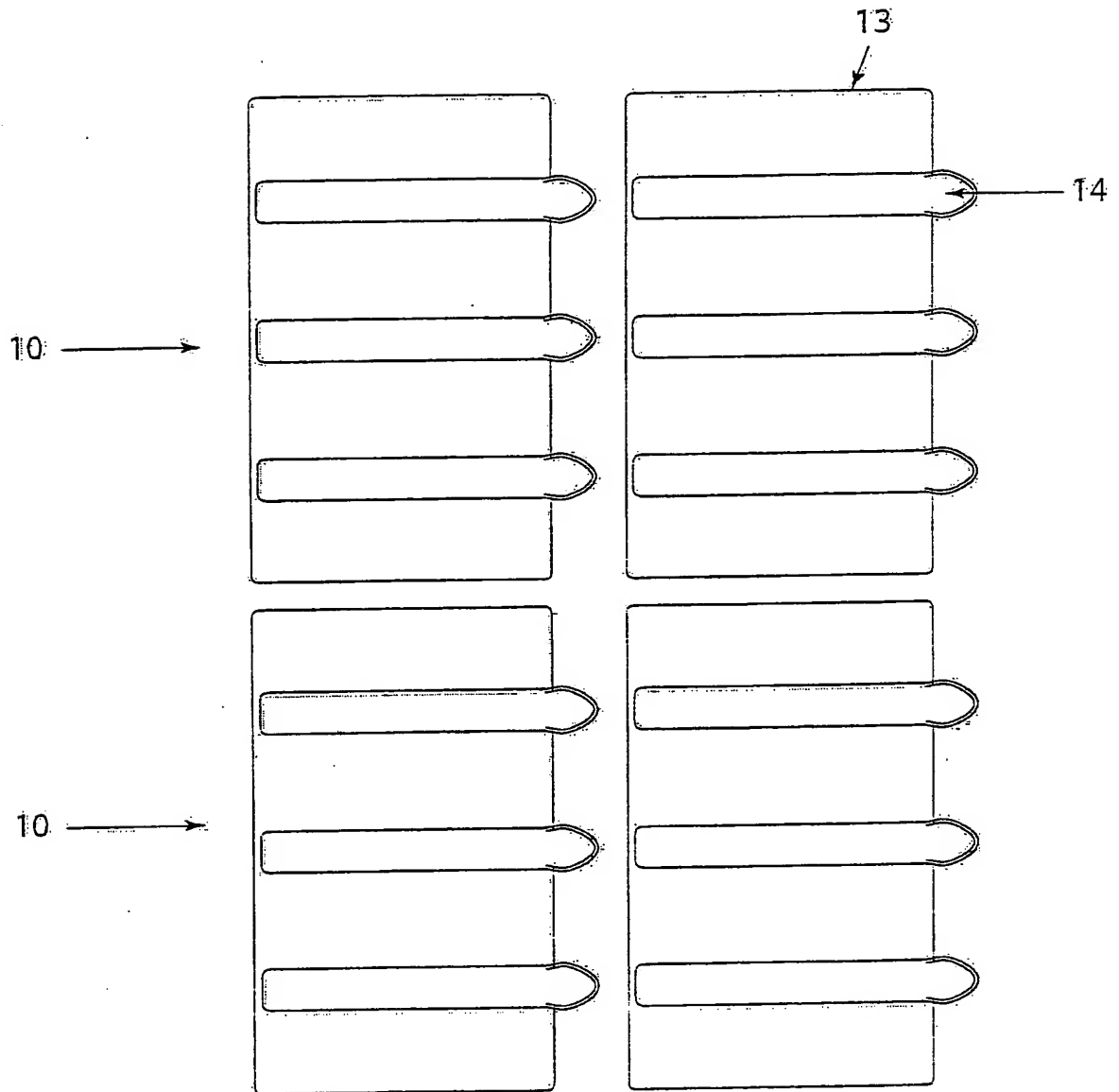


Fig. 1a

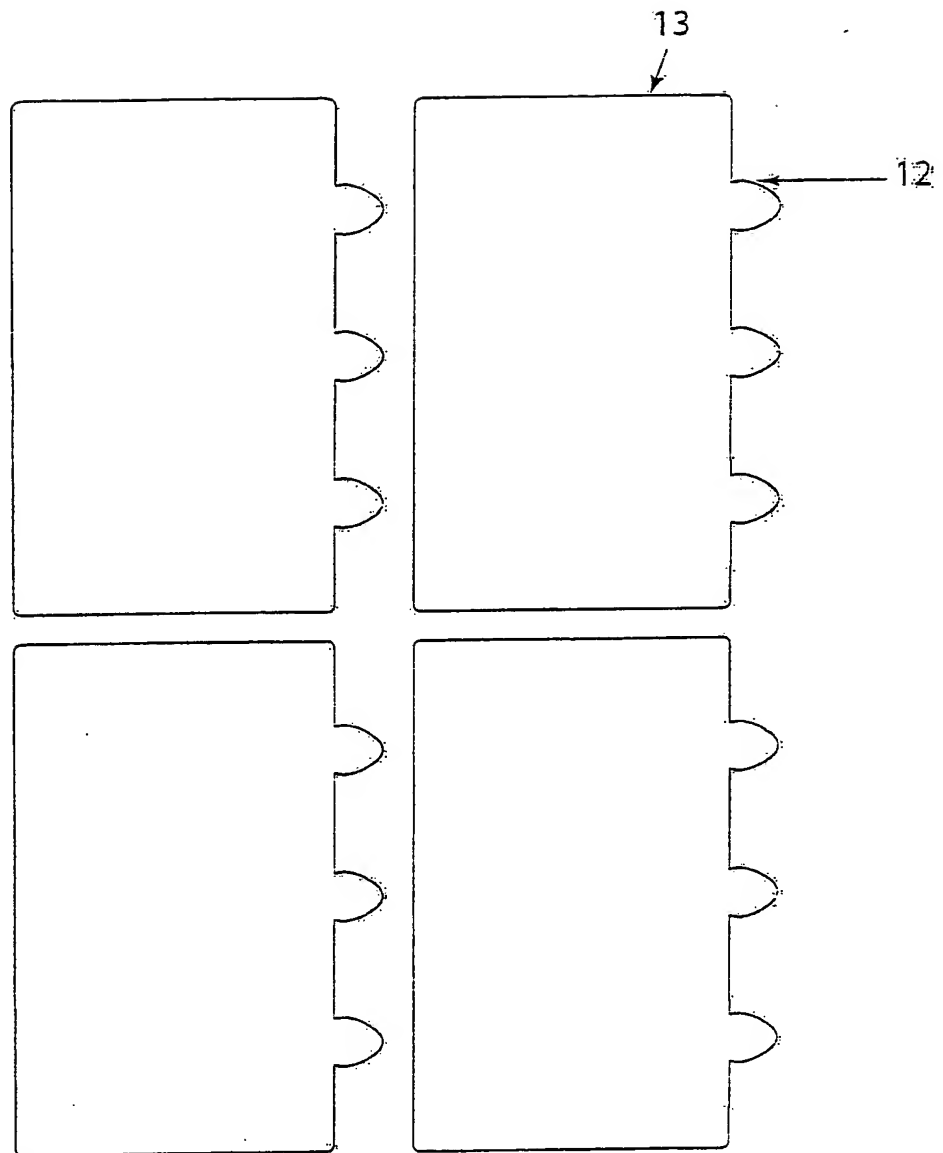


Fig. 1b

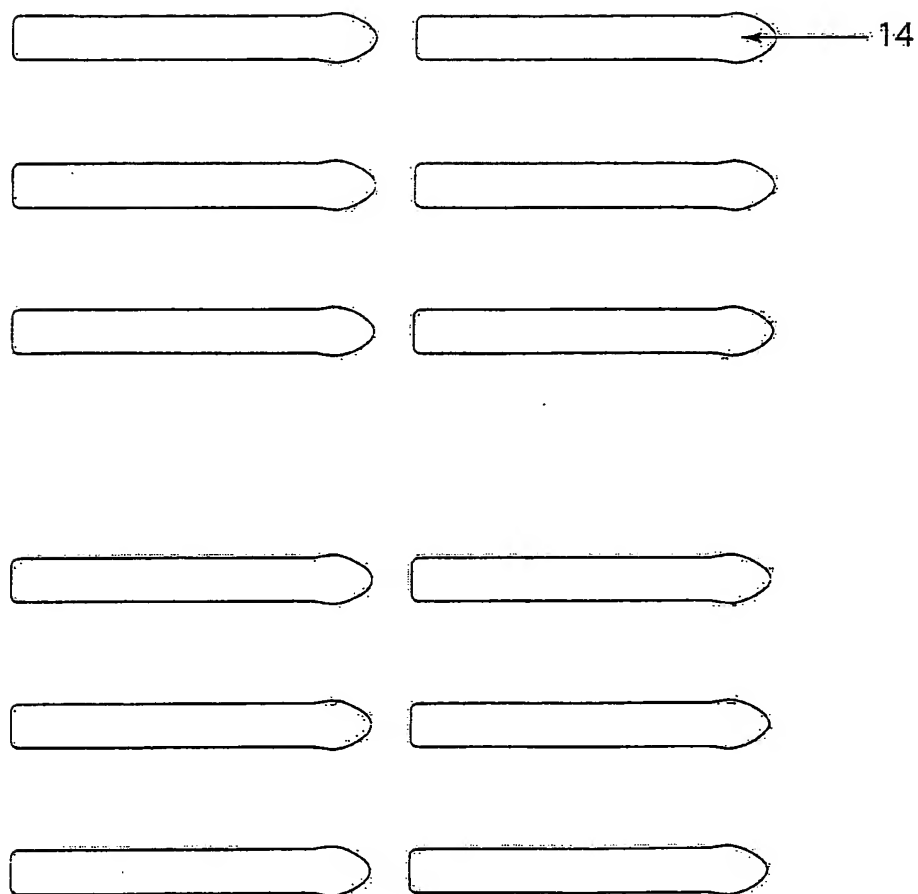


Fig. 1c

